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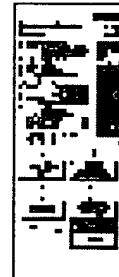
Email

>Title: **JP4206366A2: FLAT BATTERY**

Country: JP Japan

Kind: A

Inventor: NAKAI KENJI; HIGASHIMOTO KOJI; HIRONAKA KENSUKE; HAYAKAWA TAKUMI; KOMAKI AKIO; NAKANAGA TAKEFUMI; TANIGUCHI MASATOSHI;



Assignee: SHIN KOBE ELECTRIC MACH CO LTD.
OTSUKA CHEM CO LTD.

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Published / Filed: 1992-07-28 / 1990-11-30

Application Number: **JP1990000333743**

IPC Code: **H01M 10/40; H01M 4/02;**

Priority Number: 1990-11-30 JP1990000333743

Abstract:

PURPOSE: To prevent the aggravation of the battery performance by laminating a flat positive electrode active material and a negative electrode active material through a solid electrolyte, covering these generating elements with a collector, divisionally, forming the positive electrode active material on the collector, and sealing the peripheral part by a sealing material.

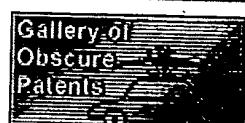
CONSTITUTION: On a stainless foil used as both a battery sheath and a collector 1, an aqueous solution of vanadium pentoxide which is a positive electrode material 2 is finely applied by means of screen printing, dried and heated. For example, a 1,2-dimethoxyethane(DME) solution of a polyphosphadine derivative in which 1mol/l of lithium perchlorate is dissolved is applied thereon by means of screen printing, and the DME is evaporated to form a solid electrolyte 3. A metal lithium foil is stuck thereon as a negative electrode active material 4, and further covered with the stainless foil of a collector 1', and the peripheral part is thermally fused by a sealing material 5 such as a modified polyethylene resin and sealed. Thus, the aggravation of the battery performance can be prevented.

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Family: None

Other Abstract: None

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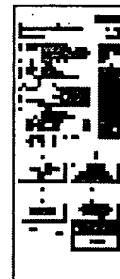
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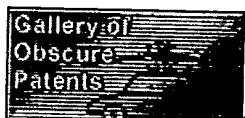
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(19)

(11) Publication number:

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PATENT ABSTRACTS OF JAPAN

(21) Application number: 02333743

(51) Int'l. Cl.: H01M 10/40 H01M 4/02

(22) Application date: 30.11.90

(30) Priority:

(43) Date of application publication: 28.07.92

(84) Designated contracting states:

(71) Applicant: SHIN KOBE ELECTRIC LTD.
OTSUKA CHEM CO LT(72) Inventor: NAKAI KENJI
HIGASHIMOTO KOJI
HIRONAKA KENSUKE
HAYAKAWA TAKUMI
KOMAKI AKIO
NAKANAGA TAKEFUMI
TANIGUCHI MASATOSHI

(74) Representative:

(54) FLAT BATTERY

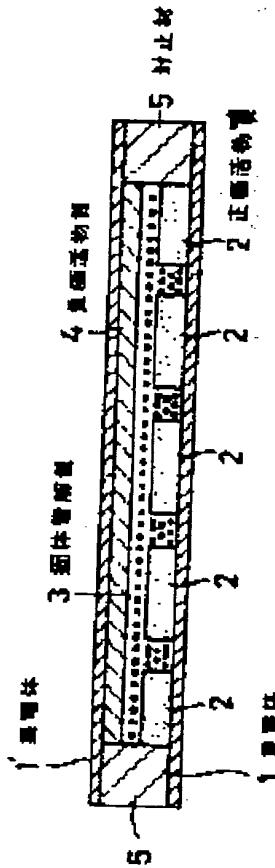
(57) Abstract:

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